



PATENT

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*Adam J. Forman*  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Richard D. Harris, *et al.*  
Serial No.: 09/967,157  
Filed: September 28, 2001  
For: Method for Fabricating a Microelectromechanical System (MEMS) Device  
Using a Pre-Patterned Bridge  
Grp. Art Unit: 2822  
Examiner: Judith A. Cothorn  
Docket No.: 110003.97630

INFORMATION DISCLOSURE STATEMENT

- (1) Pursuant to 37 CFR 1.97(b)  
(within 3 months of filing or prior to mailing of 1<sup>st</sup> Office Action)
- (2) Certification Pursuant to 37 CFR 1.97(c)  
(before Final Office Action or Allowance)
- (3) Fee Payment Pursuant to 37 CFR 1.97(c)  
(before Final Office Action or Allowance)
- (4) Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d) (before issue fee payment)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

04/30/2003 KMOHANNI 00000025 170055 09967157  
01 FC:1806 100.00 CH

Dear Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

- (5) A list of documents on Form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- (6) 37 CFR 1.97(b) (within 3 months of filing or prior to 1<sup>st</sup> Office Action)
- (7) 37 CFR 1.97(c) (before Final Office Action or Allowance, whichever is earlier); and
- (8) The required certification made in item 11 below; or

(9) The \$180.00 fee specified in 36 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.

(10) 37 CFR 1.97(d) (before issue fee payment); and

[a] (This is a petition for consideration of the subject Information Disclosure Statement. The petition fee \$ \_\_\_\_\_ .00 required by 37 CFR 1.17(P) is authorized in item 14 below. (Direct this letter to: "Attention PETITIONS EXAMINER" and include Confirmation Number \_\_\_\_\_ and Date of Allowance \_\_\_\_\_ ), and

[b] The required Certification is stated in item 11 below.

(11) Certification

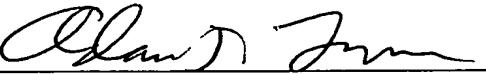
(12) Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

(13) No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

(14) Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 17-0055.

Respectfully submitted,

Richard D. Harris, *et al.*

By: 

Adam J. Forman

Reg. No. 46,707

Attorney for Applicant

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(414) 277-5405



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PTO/SB/08A (08-00)

Approved for use through 10/31/2002.  
GSA FPMR (41 CFR) 101-11.7

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Application Number</b>	09/967,157
		<b>Filing Date</b>	September 28, 2001
		<b>First Named Inventor</b>	Richard D. Harris
		<b>Group Art Unit</b>	2822
		<b>Examiner Name</b>	Judith A. Cothorn
<b>Sheet</b>	1	<b>of</b>	4
		<b>Attorney Docket Number</b>	110003.97630

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number			
	3,886,447		Tanaka	05-27-1975	
	4,560,953		Bozio	12-24-1985	
	5,012,207		Edwards	4-30-1991	
	5,025,346		Tang, et al.	06-18-1991	
	5,194,819		Briefer	03-16-1993	
	5,243,861		Kloeck, et al.	09-14-1993	
	5,343,157		Deschamps	08-30-1994	
	5,359,893		Dunn	11-01-1994	
	5,413,668		Aslam, et al.	05-09-1995	
	5,417,312		Tsuchitani, et al.	05-23-1995	
	5,424,650		Frick	06-13-1995	
	5,536,988		Zhang, et al.	07-16-1996	
	5,585,311		Ko	12-17-1996	
	5,600,190		Zettler	02-04-1997	
	5,646,432		Iwaki, et al.	07-08-1997	
	5,658,698		Yagi, et al.	08-19-1997	
	5,798,283		Montague, et al.	08-25-1998	
	5,815,051		Hamasaki, et al.	09-29-1998	
	5,920,978		Koshikawa, et al.	07-13-1999	
	5,959,516		Chang, et al.	09-28-1999	

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Application Number</b>	09/967,157
				<b>Filing Date</b>	September 28, 2001
				<b>First Named Inventor</b>	Richard D. Harris
				<b>Group Art Unit</b>	2812
				<b>Examiner Name</b>	--
Sheet	2	of	4	Attorney Docket Number	
				110003.97630	

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		Number			
		Kind Code <sup>2</sup> (if known)			
	6,060,336		Wan	05-09-2000	
	6,094,102		Chang, et al.	07-25-2000	
	6,116,756		Peeters, et al.	09-12-2000	
	6,144,545		Lee, et al.	11-07-2000	
	6,170,332		MacDonald, et al.	01-09-2001	
	6,232,150		Lin, et al.	05-15-2001	
	6,257,705		Silverbrook	07-10-2001	
	6,265,238		Yaji, et al.	07-24-2001	
	6,307,169		Sun, et al.	10-23-2001	
	6,373,682		Goodwin-Johansson	04-16-2002	
	6,384,353		Huang, et al.	05-07-2002	
	6,400,009		Bishop, et al.	06-04-2002	
	5,491,604		Nquyen, et al.	02-13-1996	
	5,563,343		Shaw, et al.	10-08-1996	
	5,834,864		Hesterman, et al.	11-10-1998	
	5,943,155		Goossen	08-24-1999	
	5,955,932		Nquyen, et al.	09-21-1999	
	5,995,688		Aksyuk, et al.	11-30-1999	
	6,127,767		Lee, et al.	10-03-2000	
	6,149,190		Galvin, et al.	11-21-2000	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Application Number</b> 09/967,157 <b>Filing Date</b> September 28, 2001 <b>First Named Inventor</b> Richard D. Harris <b>Group Art Unit</b> 2812 <b>Examiner Name</b> --	<b>Attorney Docket Number</b> 110003.97630
Sheet	3	of	4

## **U.S. PATENT DOCUMENTS**

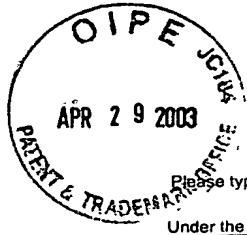
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Substitute for form 1449B/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	09/967,157
		Filing Date	September 28, 2001
		First Named Inventor	Richard D. Harris
		Group Art Unit	2812
		Examiner Name	--
Sheet	4	of	4
		Attorney Docket Number	
		110003.97630	

#### **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

<b>Examiner Signature</b>		<b>Date Considered</b>	
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